

ABSTRACT

Particular members of the multisubunit immune recognition receptor (MIRR) family of receptors, specifically, the B cell antigen receptor (BCR), the pre-B cell receptor (pre-BCR), the pro-B cell receptor (pro-BCR), Ig Fc receptors (FcR), and NK receptors, can be physically uncoupled from their associated transducers. The invention describes regulatory compounds and methods for mimicking such dissociation/destabilization for the purposes of receptor desensitization and for treatment of conditions in which receptor desensitization or alternatively, enhanced or prolonged receptor sensitization, is desirable. Compounds and methods for enhancing or prolonging receptor sensitization are also disclosed, as are methods for identifying regulatory compounds suitable for use in the present methods.

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